TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-08-28-01** **Date: 31-08-17**

Sample ID No : 2017-08-28-01/02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.7	
3	Specific Gravity	2.65	_
4	Bulk Density(Loose) (Kg/l)	1.55	_
5	Bulk Density(Compacted) (Kg/l)	1.58	_
6	Water Absorption(%)	0.21	_

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

****End of Report****

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-08-28-01** **Date: 31-08-17**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T. Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains 11th B and 12th Cross roads at Vishweshwaraiah layout in Ward no.14
Agency	:	Technical Manager(West), KRIDL, Project Implementation Unit, No.280, 59th Cross 17th C main road 3rd Y Block, Rajajinagar,
Customer Reference	:	BBMP/EE/DD/WO/36/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-08-17
Sample ID No	:	2017-08-28-01/02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	28-08-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	287	287	5.7	94.3	90-100
3	10 mm	3112	3399	68.0	32.0	25-55
4	4.75 mm	1231	4630	92.6	7.4	0-10
5	Pan	370	5000	100	0	–

CIVIL PRO BANGALORE Sig..... Date.....

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-08-28-01** **Date: 31-08-17**

Sample ID No : 2017-08-28-01/02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.68	_
4	Bulk Density(Loose) (Kg/l)	1.53	_
5	Bulk Density(Compacted) (Kg/l)	1.58	_
6	Water Absorption(%)	0.23	_
7	Aggregate crushing Value(%)	24.3	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.2	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

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